

Showing that an expression is a formula in *Symbolizer* (SL E2.3 – E2.6)

Go to www.symbolizer.info. Click \equiv to the left of 'Welcome to Symbolizer' and select 'Tree'. This will take you to the part of the application where you can show that an expression is a formula with a tree.

- To remove *all* expressions on the screen, hit the red trash button.
- To remove a highlighted expression, hit the yellow trash button.
- To add something to the screen, hit the green + button. A red circle appears to the left; type what you want to appear in the circle on the *expression* line (to the right) and its justification on the *By Fr()* line. You may drag expressions to their correct positions.
- To connect parts by arrows, highlight one part with the mouse and holding the button down, drag to the other part.
- For \sim type \sim ; for \rightarrow type $>$; for \leftrightarrow type $<>$; for \wedge type \wedge ; for \vee type $+$.
- *You have not constructed a tree for a formula until nothing is red* (but you can ignore the red for the very simple E2.3a).

There is currently no good way to save and submit work in *Symbolizer*. For now, each time you complete a formula, save it as a pdf by: choosing File/Print/and clicking PDF in the lower part of the window that appears/then Save as PDF. You can show these files to the lab assistant for signature. You have not completed the assignment until you have a signature from the assistant.

Using trees for truth values in *Symbolizer* (SL E4.1)

Construct the formula tree as above. Then hit the 'E' button to the right. This will enable you to highlight a formula and enter its truth value in the entry field on the right.